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WATER SUPPLY OUTLOOK FOR MONTANA

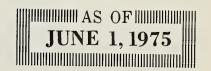


U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

MONTANA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Cover Photo: Cabins near Sacajavea Snow Course in Bridger Mountains, Montana.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Proadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P.O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 841 38
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

ENT of

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR MONTANA

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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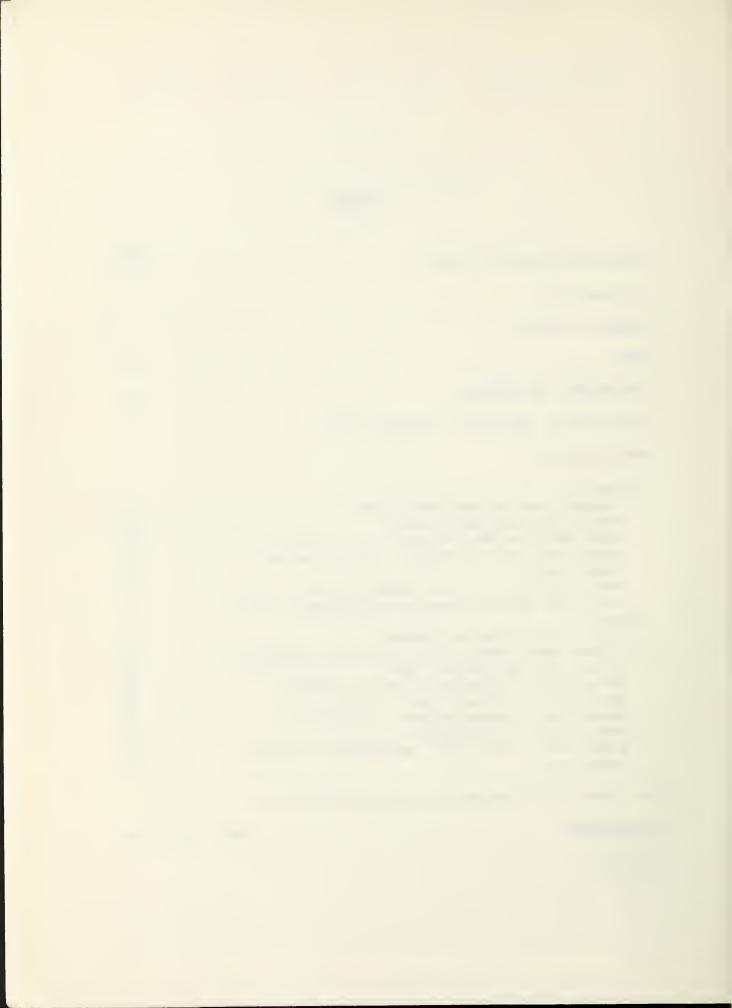
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CONTENTS

Pag MONTANA WATER SUPPLY OUTLOOK	
SOIL MOISTURE	3
RESERVOIR STORAGE	4
SNOW	. 7
SUPPLEMENTAL MEASUREMENTS 8-	.9
CORRECTIONS TO PREVIOUSLY PUBLISHED DATA	LO
SNOW PILLOW DATA	
Hawkins Lake and Garver Creek	1 12 13 14 15 16
Black Bear and Madison Plateau	18 19 10 11 12 12 13 14 15 16
MAP, SNOW COURSES AND RELATED DATA MEASURING SITES COOPERATORS Inside Back Cove	r



MONTANA WATER SUPPLY OUTLOOK June 1. 1975

The mountain snowpack continues to hold record or near record amount of water for this date. Snowmelt delayed by cool weather, appears to be 3 to 4 weeks later than normal. Excessive amounts of snow are still present in the lower elevations. Peak flows generated from snowmelt are expected to be well above average and near those experienced last year.

Streamflow for the remainder of the summer season is expected to be above average on most drainages. There has been no appreciable change in the total water supply outlook except runoff that should normally occur in May will now flow in June and July.

Snow pillow records indicate peak snowmelt flows should occur about mid June on the Blackfoot, Clark Fork, North and Middle Forks Flathead River and third week in June on the Bitterroot River. Most low elevation drainages have passed their snowmelt peak in mid May or early June.

East of the divide, inflow to Hebgen Lake, Big Hole and Ruby Rivers should reach their snowmelt peak the second week in June. The Jefferson and Missouri Rivers should reach their peak snowmelt the third week of June while the Gallatin River peak will be delayed to the latter part of the third or early part of the fourth week in June. Most lower elevation streams had their snowmelt peaked near mid May.

In the Yellowstone River Basin, most major snow fed streams should reach their snowmelt peak in the third or fourth week of June.



With large amounts of snow present in the higher elevations, streams will continue to have higher than normal runoff until the mountain snow-pack is substantially melted.

During this entire snowmelt period, any significant amounts of rainfall will cause streams to rise rapidly.

Those having livestock, equipment, or homes in areas that may be affected by high water should maintain contact with Civil Defense and/or National Weather Service for up to date forecasts of temperatures, precipitation, and streamflow levels.

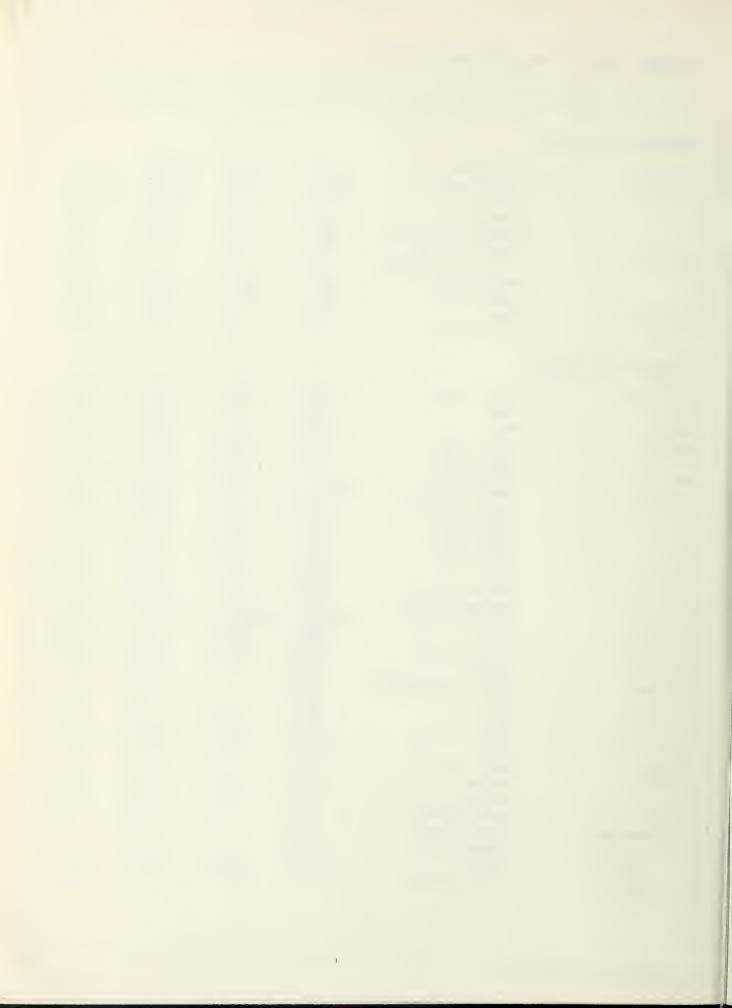


DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of	So	ches)	
Name	Elevation	Depth	Capacity	Survey	This Year	Last Year	Average +
							
	COLUMBIA	A RIVER	BASIN				
Kootenai							
Baree Trail	3800	48	7.5	-	_	6.6	6.1
Murphy Lake R.S.	3000	48	22.6		19.9		_
Raven	3050	48	23.0	-	-	14.7	17.3
Flathead							
Desert Mountain	5600	54	8.4	5/30	9.4	9.2	8.9
Marias Pass	5250	54	6.5		6.1	7.8	6.2
Clark Fork							
Clark Fork Black Pine	7100	48	10.0	5/30	9.4	8.6	8.7
Lubrecht Forest	4100	48	26.8		22.8	22.7	23.0
Seeley Lake R.S.	4030	48	11.9	•	11.3	11.1	10.8
Skalkaho Summit	7260	48	10.8		10.2	10.0	10.0
SKGIRGIIO SGIMIIE	7200	40	10.0	3/2)	10.2	10.0	10.0
Bitterroot							
Gibbons Pass	7100	48	7.1		5.6	6.8	7.1
Lolo Pass	5250	48	10.6	5/28	9.4	9.8	9.9
	MISSOURI	RIVER	BASIN				
Beaverhead							
Lakeview	6700	48	15.3	5/31	17.0	14.4	14.9
Madison							
West Yellowstone	6700	48	6.5	5/28	3.3	3.0	3.1
Gallatin							
Bridger Bowl	7250	48	17.0	5/27	15.3	15.0	16.1
College Site No. 2	4856	54	17.7		16.8	17.4	14.0
Lick Creek	6860	48				14.9	
Twenty-One Mile	7150	48		6/1	9.3	10.0	9.9
Missouri Main Stem							
Kings Hill	7420	48	11.8	5/27	9.1	10.6	10.8
Stemple Pass	6350	48	5.9	•	5.4	4.6	5.1
Milk							
Beaver Creek	3950	48	20.9	5/29	16.2	18.8	15.4
Rocky Boy	4700	3 6	10.1		10.0	10.2	9.8
Yellowstone				- 10 -			
Battle Ridge	6020	48	17.6		14.0	9.0	14.9
Northeast Entrance	7350	48	9.4		10.8	9.8	9.2
PMC Dryland	3700	48	20.7	6/2	11.4	8.9	-



RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable		Usable Storage	A	
Dasin or Stream		Capacity	This Year	Last Year	Average	
	_					
COLUMBIA RIVER BAS	SIN					
Kootenai	Koocanusa	5,694.0	1,566.0	1,818.0	-	
Flathead	Hungry Horse	3,428.0	2,111.0	2,036.0	2,639.0	
	Flathead Lake	1,791.0				
	Camas (4)	45.2		29.1	36.3	
	Mission Valley (8)	100.3		55.2	63.7	
Clark Fork	Georgetown Lake	31.0	24.0	21.7	25.6	
	Lower Willow Creek	4.6	4.9	4.9	4.1	
	Nevada Creek	12.6	-	-	12.1	
	Noxon Rapids	334.6	251.2	231.6	243.9	
Bitterroot	Como	34.9	-	26.6	29.1	
DICCCITOCC	Painted Rocks	31.7	13.1	33.4	32.4	
	Talmeed Rocks	31.7	13.1	33.4	32.4	
MISSOURI RIVER BAS	SIN					
Beaverhead	Clark Canyon	328.9	183.2	141.8	149.5	
	Lima	84.0	67.6	66.2	60.2	
Ruby	Ruby	38.8	-	38.8	37.7	
Madison	Hegben Lake	377.5	234.4	238.1	287.1	
	Ennis Lake	41.0	34.4	26.4	36.9	
Gallatin	Middle Creek	8.0	. 3.4	4.5	7.0	
Missouri	Canyon Ferry	2,043.0	1,520.0		1,652.0	
	Hauser & Helena	61.9	61.9	63.0	57.9	
	Lake Helena	10.4	10.4	10.9	9.1	
	Holter Lake	81.9	78.6	81.4	73.7	
	Smith River	10.6	11.5	11.0	10.8	
	Bair	7.0	7.0	6.1	6.7	
	Martinsdale	23.1	18.7	21.6	16.6	
	Deadman's Basin	72.2	-	42.1	57.0	
	Fort Peck Lake	19,140.0	17,980.0			
Sun	Gibson	104.8	92.0	90.1	92.8	
	Willow Creek	32.2	29.6	28.5	28.1	
	Pishkun	32.0	31.7	32.0	28.8	
Marias	Lower Two Medicine	11.9	-	12.6	-	
	Four Horns	19.2	_	12.6	_	
	Swift	30.0	19.3	16.2	27.7	
	Lake Frances	111.9	80.8	52.4	94.6	
	Tiber	1,347.0	628.1	566.5	691.1	
1i1k	Beaver Creek	3.5	3.5	4.2	-	
	Fresno	127.2	125.2	117.9	102.1	
	Nelson	66.8	55.9	42.1	46.3	
	Lake Sherburne	66.2	45.6	30.3	29.7	
rellowstone	Mystic Lake	21.0	1.1	10.5	6.0	
CTIONGLONG	Tongue River	68.0		57.6	40.8	
	Cooney	27.4	23.2	23.0	17.3	
31ghorn	Bighorn Lake	1,356.0	820.4	789.9	810.3	
TRUOTII	pranorn rake	1,330.0	020.4	109.7	010.3	



DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR	Y	PAST RECORD		
		Date	Snow Depth	Water Content	Water Content (inches)		
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average	
00 00110	7350	5/29	59	23.8	15.9	9.2	
ARCH FALLS	6900	5/31	106	55.6			
BADGER PASS	5700	5/29	126	62.6	80.9	45.9	
ALD EAGLE PEAK ANFIELD MOUNTAIN	5600	5/30	35	20.5	24.9	4.1	
ANFIELD MOUNTAIN PILLOW	5600	5/30	SP	17.0	20.0	1.3	
	5900	5/31	52	25.2	•		
EAVER LAKE	5100	5/30	6	2.4	•	-	
IG CREEK	6750	5/29	98	51.6	72.0	46.5	
LACK BEAR	7950	5/28	95	48.1	58.7		
the same of the sa	7950	5/28	SP	43.4	48.7		
LACK BEAR PILLOW	7100	5/30	37	16.0	9.8	3.0	
LACK PINE PILLOW	7100	5/30	SP	19.9	7.7	2.3	
LUE LAKE	5900	5/31	56	32.1	-		
RINGER BOWL	7250	5/27	75	34.8	39.6	22.8	
RIDGER BOWL PILLOW	7250	5/27	SP	33.1	35.2	18.8	
RISTOW CREEK	3900	5/30	0	• 0	• 0	-	
AMP MISERY	6400	5/29	106	53.0	40	•	
EDAR GROVE	4100	5/29	0	• 0	• 0	.0	
OLE CREEK	7850	5/29	77	30.2	•	400	
OLE CREEK PILLOW	7850	5/29	SP	31.6	•	•	
OMBINATION PILLOW	5600	5/30	SP	• 0	.0		
	8150	5/30	51	23.4	19.4	10.9	
OOKE STATION OPPER MOUNTAIN	7700	5/30	45	19.0	•	. 0	
AVIS CREEK	5400	5/28	24	13.2	18.6	1.8	
DEADMAN CREEK	6450	5/27	14	5.8	. 0	. 0	
DEADMAN CREEK PILLOW	6450	5/27	SP	5.3	.0	. 0	
ESERT MOUNTAIN	5600	5/30	11	5.3	12.6	. (
EVILS SLIDE	8100	5/29	97	40.9	32.0	23.8	
ISCOVERY BASIN	7050	5/30	42	18.2			
IX HILL	6400	6/01	9	4.2	•	-	
ATTY CREEK	5500	5/29	38	19.6	28.6	7.6	
ISHER CREEK	9100	5/30	107	49.4	58.0	32.1	
ISHER CREEK PILLOW	9100	5/30	SP	45.6	53.6	32.4	
INE-BULL	5700	5/31	0	• 0	•		
REIGHT CREEK	6000	5/31	20	10.3	-		
ROHNER MEADOWS	6480	5/29	29	11.1	.5	200	
ROHNER MEADOWS PILLOW	6480	5/29	SP	15.7	3.1	•	
GARVER CREEK	4250	5/28	0	• 0	.0	•	
GARVER CREEK PILLOW	4250	5/28	SP	• 0	• 0	-	
GIBBONS PASS	7100	5/29	67	31.9	27.2	8.6	
RAVES CREEK	4300	5/27	6	2.8	12.2	1.6	
GRIZZLY PEAK	8400	5/29	89	32.6	-	-	
SUNSIGHT LAKE	6300	5/31	81	43.3	•	-	
HAWKINS LAKE	6450	5/28	74	37.1	49.0	20.3	
HAWKINS LAKE PILLOW	6450	5/28	SP	32.5	51.3	20.	
HEART LAKE TRAIL	4800	5/30	30	14.4	11.9	1.	
HELL ROARING DIVIDE	5770	5/30	46	24.8	42.1	12.0	
HIGHWOOD DIVIDE	5650	5/30	6	2.7	•	•	



NOW			THIS YEAR		PAST RI	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth	Water Content	Water Conte	
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average
HOOD MEADOW	6600	5/29	41	17.0	7.8	•
HOODOO BASIN	6000	5/30	101	51.2	62.6	1. 34.
HOODOO BASIN PILLOW	6000	6/01	SP	42.5	-	33.
HOODOO CREEK	5900	5/30	95	47.6	63.6	33.
INTERGAARD	6450	5/31	39	16.0		35.
KINGS HILL	7500	5/27	53	21.8	19.0	•
LAKE CREEK	6100	5/29	4	1.6	.0	•
ICK CREEK	6860	5/29	35	13.9	1.0	•
ICK CREEK PILLOW	6860	5/29	SP	12.2	.0	•
OOKOUT (ID)	5250	5/30	54	28.8	34.2	15.
OST HORSE	5940	5/28	83	41.1	44.6	21.
OST SOUL	4800	5/30	0	• 0	.0	
MADISON PLATEAU	7750	5/28	48	23.4	21.9	•
ADISON PLATEAU PILLOW	7750	5/28	SP	22.7	14.5	6.
AYNARD CREEK	6210	5/27	38	16.5	13.5	5.
AYNARD CREEK PILLOW	6210	5/27	SP	14.3	12.9	
EADOW CREEK PILLOW	4000	5/30	SP	• 4	***	4.
OISY BASIN	5040	5/29	98	52.1	-	•
IOISY BASIN PILLOW	6040	5/29	SP	39.3	-	•
ORTH FK. ELK CREEK	6250	6/01	26	12.7	.0	eto e
ORTH FK. ELK CREEK PILL	6250	6/01	SP	16.8	.0	•
ORTH FORK JOCKO	6330	5/30	91	48.3	51.4	30
ORTHEAST ENTRANCE	7400	5/30	14	6.0	.4	32.
ORTHEAST ENTRANCE PILL.	7400	5/30	SP	5.7	.0	•
PHIR PARK	7150	6/01	55	25.2	14.3	•
ICKET PIN LOWER	6200	6/01	0	• 0	.0	100
ICKET PIN MIDDLE	7250	6/01	35	17.5	•0	***
ICKET PIN UPPER	8100	6/01	83	36.4	28.8	_
IPESTONE PASS	7200	5/30	38	14.6	2010	•
OORMAN CREEK	5100	5/29	42	23.1	35.7	•
OORMAN CREEK PILLOW	5100	5/29	SP	24.6	38.2	8.
ED MOUNTAIN	6000	5/30	30	13.5	22.0	6.
OCKER PEAK	8000	5/29	65	27.6		
OCKER PEAK PILLOW	8000	5/29	SP	28.5		14.
OCKY BOY	4700	5/25	0	• 0		-
OCKY BOY PILLOW	4700	5/25	SP	• 0	.8	•
ADDLE MOUNTAIN	7940	5/29		38.7		18.
ADDLE MOUNTAIN PILLOW	7940	5/29	SP	35.2		19.
HOWER FALLS	8100	5/29	99	42.6		
HOWER FALLS PILLOW	8100	5/29	SP	41.3	37.0	24.
ILVER RUN	6630	5/29	15	5.4		
KALKAHO SUMMIT	7260	5/29	72	33.2	27.0	14.
POTTED BEAR MOUNTAIN	7000	5/31	13	6.8		
PUR PARK	8000	5/27	66	28.6		18.
PUR PARK PILLOW	8100	5/27	SP	27.9		17.
TAHL PEAK	6050	5/27	82	42.7		
TAR LAKE E	9650	5/30	116			30.0
TUART MOUNTAIN	7400	6/02		58.2		20
EPEE CREEK	8000	5/29	66	33.1	30.8	20.3
EPEE CREEK PILLOW	8000	5/29	51	22.1	16.4	••
TIES CHARL LIFTON	0000	3/67	SP	16.9	6.7	99



SNOW			THIS YEAR	7	PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Cont	ent (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average
TRINKUS LAKE	6100	5/31	71	38.1	•	_
TV MOUNTAIN	6800	6/02	49	22.5	20.4	9.9
WELVEMILE CREEK	5600	5/28	29	13.6	12.0	. 6
WELVEMILE CREEK PILLOW	5600	5/28	SP	15.1	5.6	.0
TWIN CREEKS	3580	5/31	0	• 0	•	
TWIN LAKES	6510	5/28	105	52.1	55.9	31.4
WIN LAKES PILLOW	6400	5/28	SP	47.3	41.3	28.1
IPPER HOLLAND LAKE	6200	5/31	64	32.7	•	
NEASEL DIVIDE	5450	5/27	58	30.9	45.4	19.6
IEST YELLOWSTONE	6700	5/28	0	•0	•	
EST YELLOWSTONE PILLOW	6700	5/28	SP	.0	• 0	.0
HISKEY CREEK	6800	5/28	21	10.5	2.0	
HISKEY CREEK PILLOW	6800	5/28	SP	11.9	4.3	
HITE MILL	8700	5/30	75	34.8	40.6	24.5
HITE MILL PILLOW	8700	5/30	SP	29.1	29.7	
ILLOW CREEK	6500	5/29	4	1.4	•	•
	LATE ARR	IVING DA	<u>TA</u>			
BRANHAM LAKES	8850	6/04	86	41.8		_
MIDDLE MILL CREEK	7850	6/04	47	20.3	_	_
TILDULL TILL ONEEK	6400	6/06	36	17.8	_	_
MOTINT TOCKHART			70	1/.0	_	
		•	26			
MOUNT LOCKHART SMUGGLER MINE WALDRON	6960 5600	6/04 6/06	26 0	10.4	•	-



SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average

SUPPLEMENTAL MEASUREMENTS 1975

JANUARY 1				-		
Badger Pass	6900	1/01	63	17.0	25.0	21.2
Blue Lake Garver Creek Pillow	5900 4250	1/01 1/07	38 SP	10.0 5.5	12.5 7.7	11.8 4.8
Hawkins Lake Pillow	6450	1/07	SP	16.1	17.8	13.3
Hell Roaring Divide	5770	1/09	66	19.2	22.2	14.1
Holbrook	4530	1/01	23	5.0	3.5	4.3
Spotted Bear Mtn.	7000	1/01	32	7.5	8.0	7.2
Twin Creeks	3580	1/01	32	7.0	5.5	5.7
West Rosebud	7500	1/16	30	6.8	-	-
FEBRUARY 1						
Carter Creek	7400	2/02	17	3.9	4.6	3.5
Lubrecht Flume Pillow	4800	1/29	SP	4.3	3.9	4.5
Lubrecht Forest #3	5450	2/12	37	8.4	4.8	5.6
Lubrecht Forest #4	4650	2/12	24	5.1	2.5	3.2
Lubrecht Forest #6	4040	2/07	31	4.8	4.1	3.8
North Fk. Elk Creek Pill.	6250	2/02	SP	9.8	9.2	8.4
Northeast Entrance Pill.	7400	2/02	SP	7.1	6.4	7.0
MARCH 1						
Badger Pass	6900	3/01	87	34.0	49.8	37.0
Beaver Lake	5900	3/01	55	20.0	28.4	21.3
Black Bear	7950	2/26	98	32.1	48.2	-
Blue Lake	5900	3/01	65	23.5	31.0	26.4
Five-Bull	5700	3/01	22	5.5	6.2	7.0
Freight Creek	6000	3/01	42	12.5	18.2	14.5
Gunsight Lake	6300	3/01	108	41.0	48.6	39.1
Holbrook	4530	3/01	37	9.0	10.3	10.5
King Creek Saddle	4550	2/27	0	0.0	0.0	-
King Springs	4150	2/27	0	0.0	0.0	-
Meadow Creek Pillow	4000	2/28	SP	8.0	-	-
Picket Pin D	9450	3/12	87	29.5	-	-
Placer Basin F Spotted Bear Mountain	8800 7000	3/12 3/01	67 45	22.0	17 0	1/. 7
Trinkus Lake	6100	3/01	45 105	14.0 42.0	17.9 52.5	14.7 39.9
Twin Creeks	3580	3/01	4 2	13.5	16.0	12.3
Upper Holland Lake	6200	3/01	92	36.0	39.4	33.7
11	-200	0, 02	-		32.7	55.7



SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average

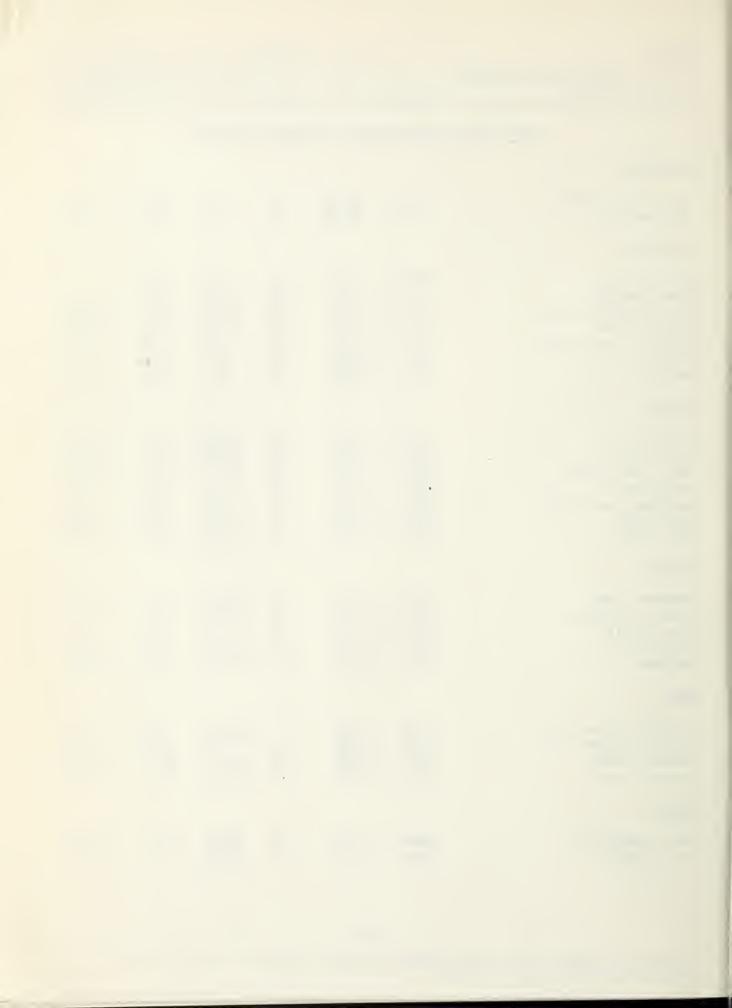
SUPPLEMENTAL MEASUREMENTS 1975

APRIL 1						
Boxelder Creek	5100	4/02	43	10.5	9.3	-
Deadman Creek Pill.	6450	3/28	SP	11.8	12.5	11.0
East Boulder S.	9250	4/11	108	35.5	41.5	-
North East Entrance Pill.	7400	4/01	SP	10.6	10.8	9.3
Picket Pin D	9450	4/11	91	33.0	30.5	-
Placer Basin F	8800	4/11	77	27.0	23.0	-
Star Lake E	9650	4/11	129	44.0	64.5	-
Stuart Mountain	7400	4/08	97	36.4	42.6	34.2
MAY 1						
•						
Fred Burr Pass	8000	5/01	113	33.0	32.1	32.6
Hoodoo Basin Pillow	6000	4/30	SP	55.7	-	55.5
Lubrecht Flume Pillow	4800	5/03	SP	5.2	0.0	0.0
Meadow Creek Pillow	4000	4/25	SP	7.8	-	-
North Fk. Elk Creek Pill.	6250	4/30	SP	24.3	7.9	11.5
West Rosebud	7500	4/25	61	20.8	-	-
MAY 15						
Hall Danies Divide	5770	F /00	50	00.7	10.7	06.7
Hell Roaring Divide	5770	5/20	58	29.7	48.7	26.7
Holbrook	45 3 0	5/15	0	0.0	0.0	-



SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNO	W COURSE	Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey	(inches)	(Inches)	Last Year	Average

	CORRECTIONS TO PREVIOUSLY PUBLISHED 1975 DATA						
JANUARY 1							
Black Pine Pillow Gibbons Pass		7100 7100	$\frac{12/31}{12/30}$	SP 36	3.9 6.7	6.8 11.5	5.4 9.5
FEBRUARY 1							
Bull Mountain Cooke Station Hell Roaring Divid Maynard Creek Northeast Entrance Waldron Waldron Pillow		6600 8150 5770 6210 7400 5600 5600	2/03 1/27 2/03 1/28 2/02 1/31 1/31	24 57 83 40 32 26 SP	$ \begin{array}{r} 4.9 \\ 13.6 \\ \underline{25.4} \\ 9.3 \\ \underline{7.8} \\ 6.0 \\ 7.4 \end{array} $	5.8 15.2 34.1 12.0 6.5 8.4 9.7	- 23.3 13.7 6.6 - 9.9
MARCH 1							
Big Snowy Crystal Lake Heart Lake Trail Intergaard Lubrecht Forest #6 Rock Creek Stuart Mill APRIL 1		7150 6100 4800 6450 4040 5600 6500	3/03 3/03 2/26 3/01 2/28 3/03 3/01	59 43 77 30 23 31 26	$ \begin{array}{r} \underline{20.0} \\ \underline{13.2} \\ \underline{24.9} \\ \underline{8.3} \\ \underline{6.0} \\ \underline{10.3} \\ \underline{7.1} \end{array} $	18.8 12.4 28.6 9.0 5.6 6.9 7.1	15.0 12.3 21.2 7.7 4.3 8.3 6.3
Deadman Creek Peterson Meadows Stuart Mill Ten Mile Middle Waldron		6450 7200 6500 6800 5600	3/28 3/27 4/01 4/01 3/28	44 45 36 53 41	$\frac{13.6}{12.2}$ $\frac{9.9}{15.6}$ 11.8	13.3 11.2 8.9 14.2 13.0	12.7 7.5 12.6 12.2
MAY 1							
Lubrecht Forest #3 Lubrecht Forest #4 Maynard Creek Mineral Creek		5450 4650 6210 4000	5/04 <u>5/01</u> <u>4/28</u> 5/02	29 5 <u>56</u> 45	10.0 1.6 20.8 18.2	3.1 0.0 21.6 20.7	4.0 .4 21.8 14.1
<u>MAY 15</u>							
Heart Lake Trail Hoodoo Basin		4800 6000	5/15 5/15	50 119	$\frac{23.5}{61.2}$	24.6 76.2	10.2 48.8



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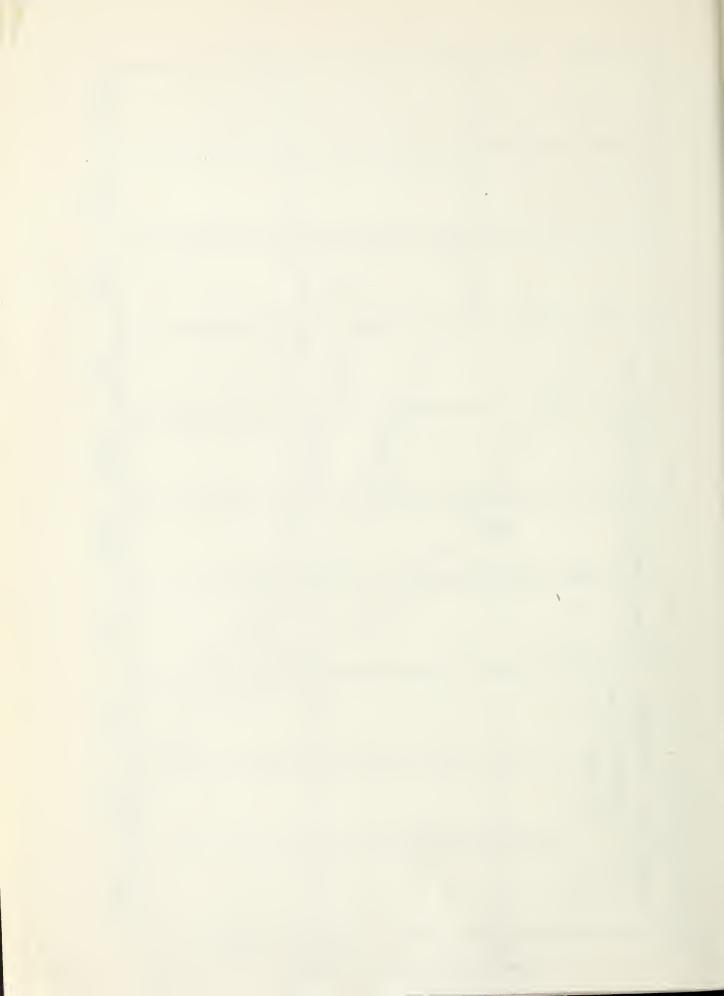


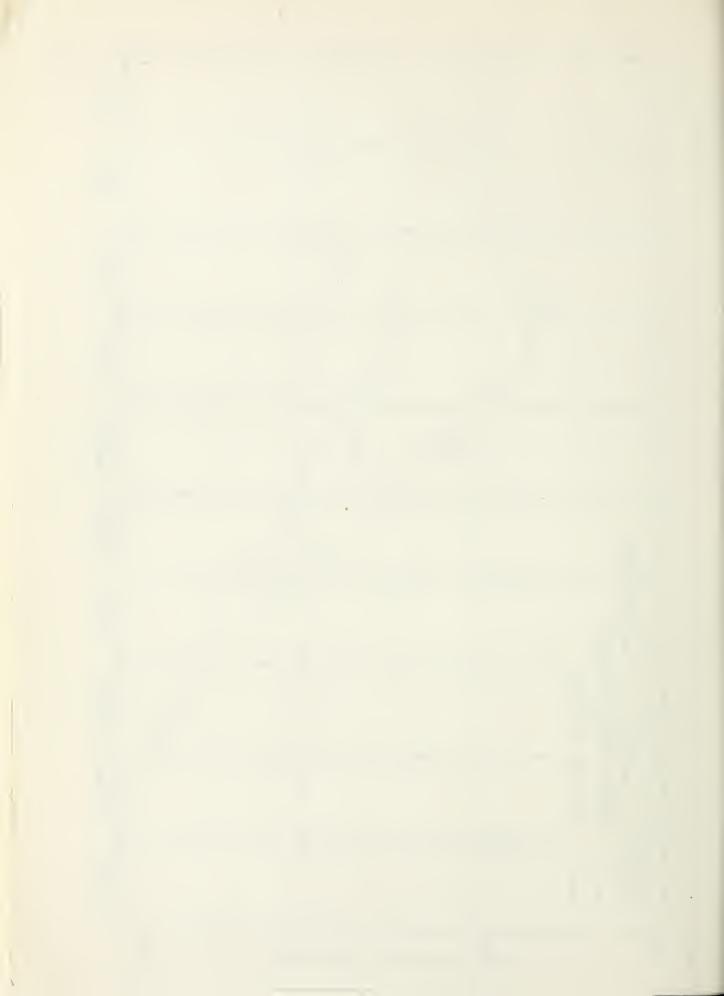
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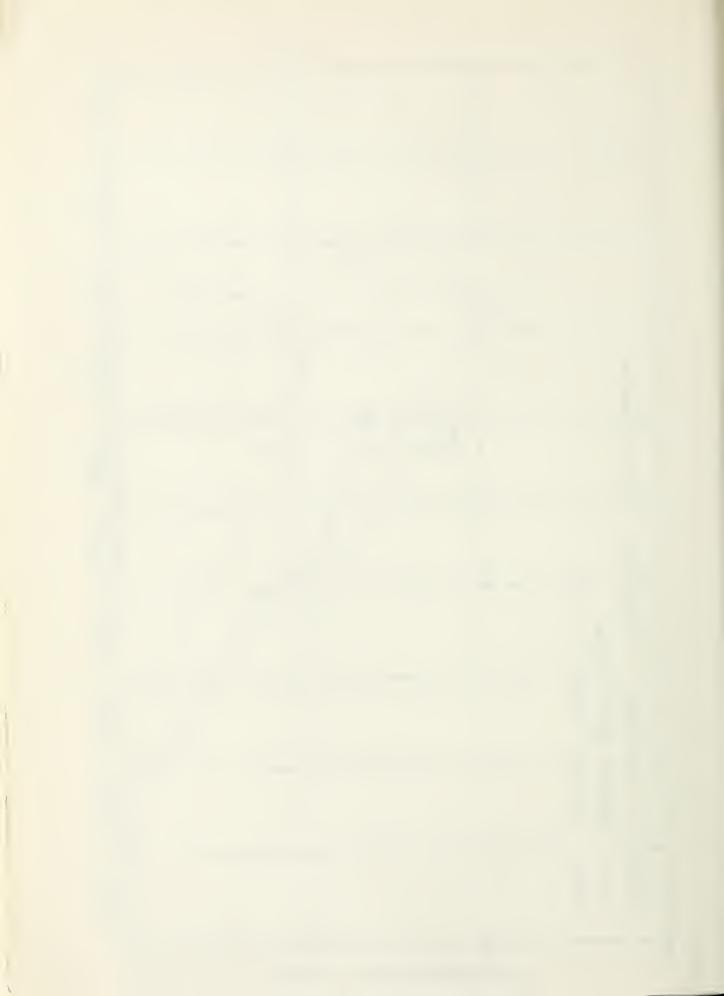
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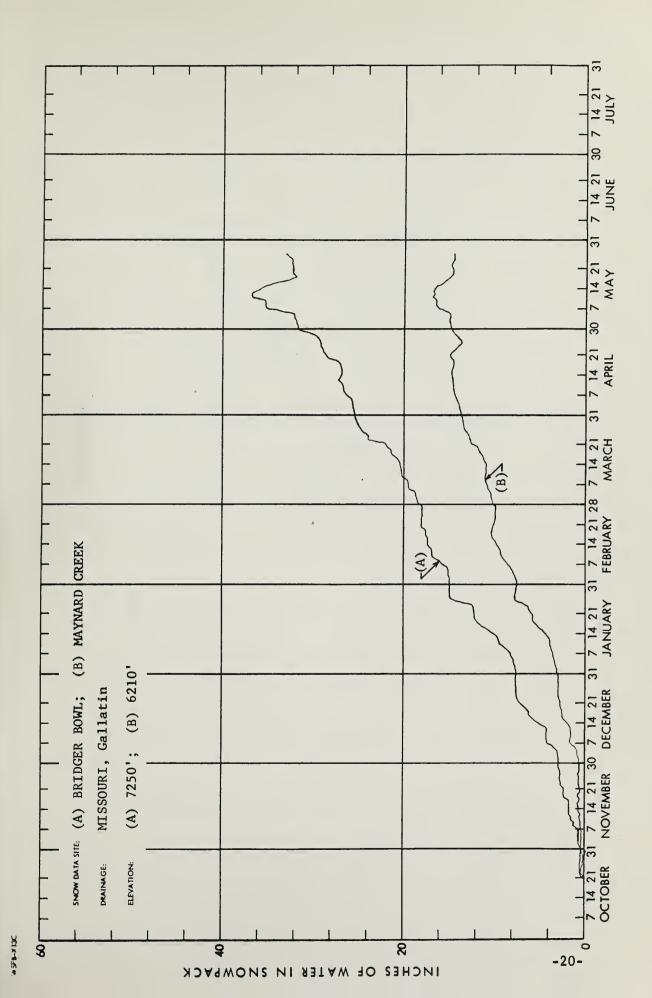






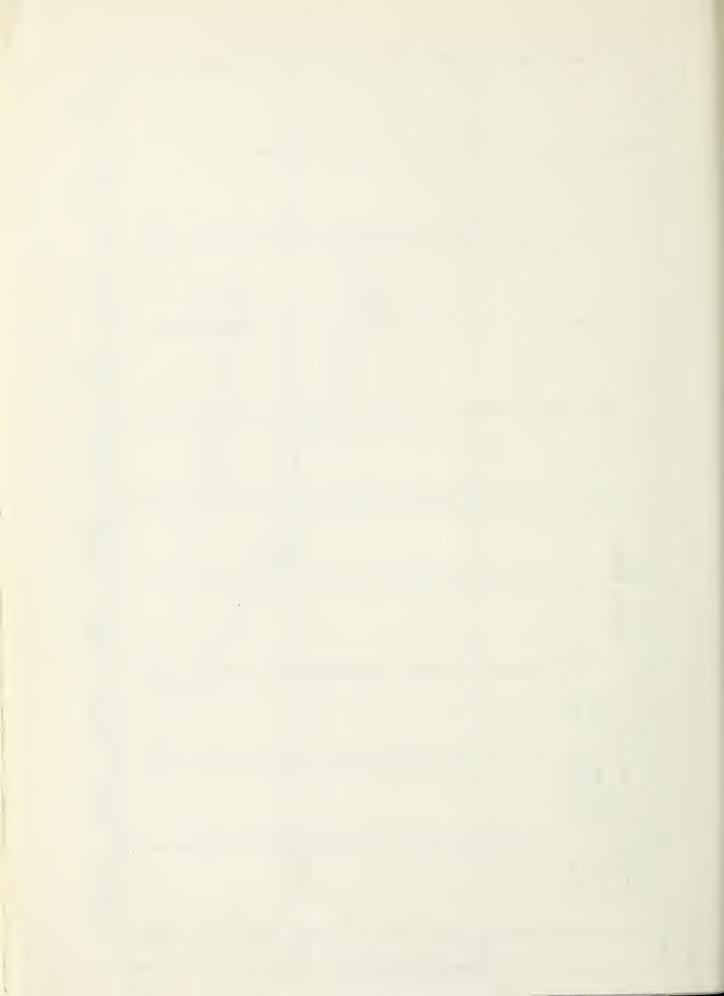
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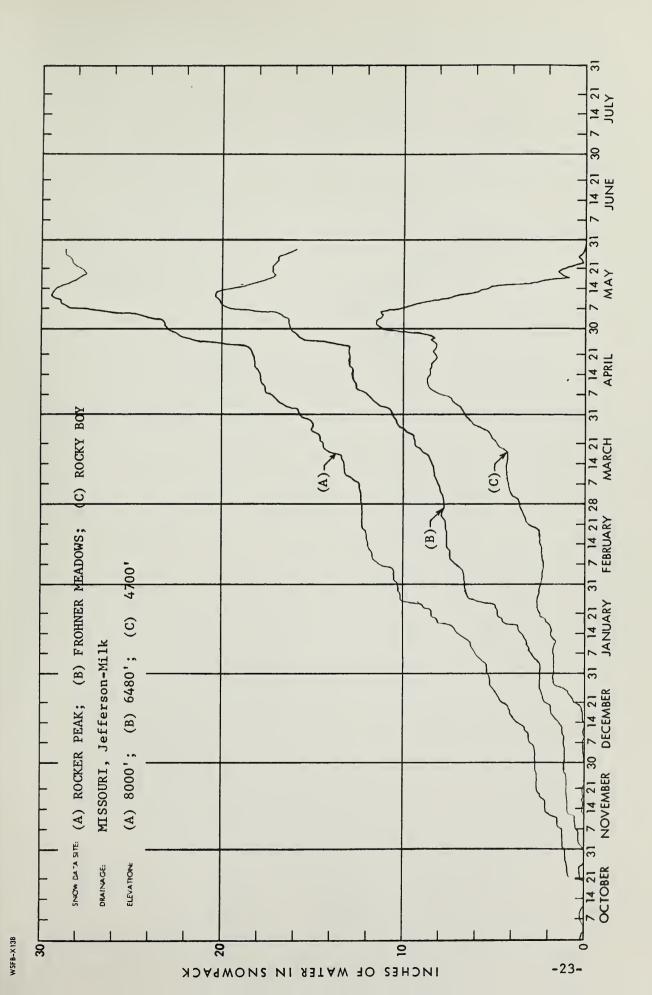


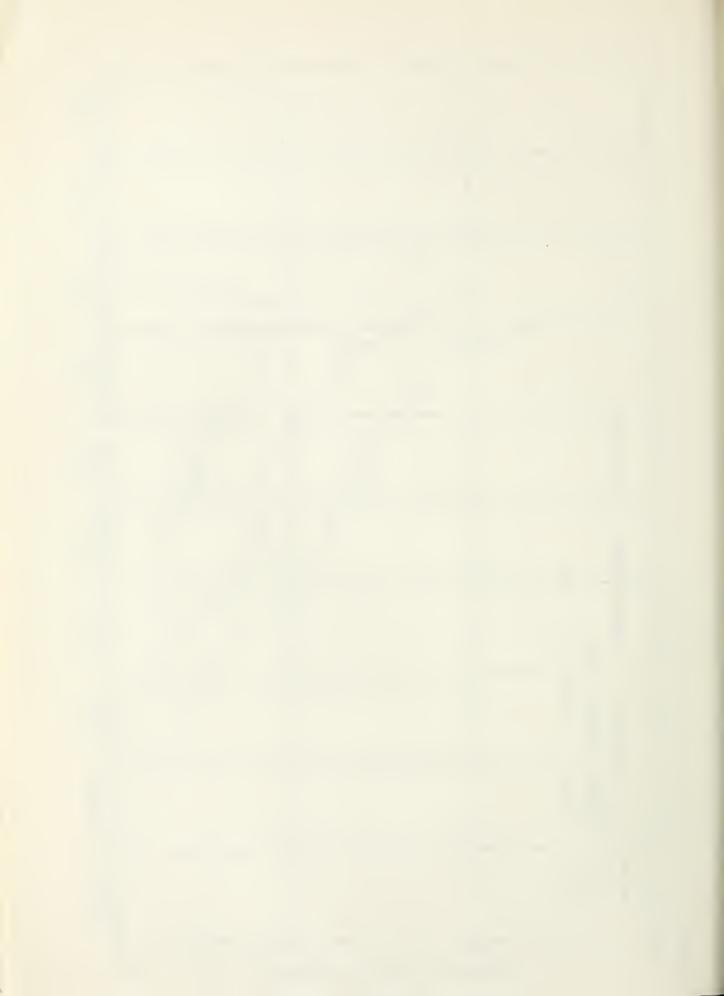


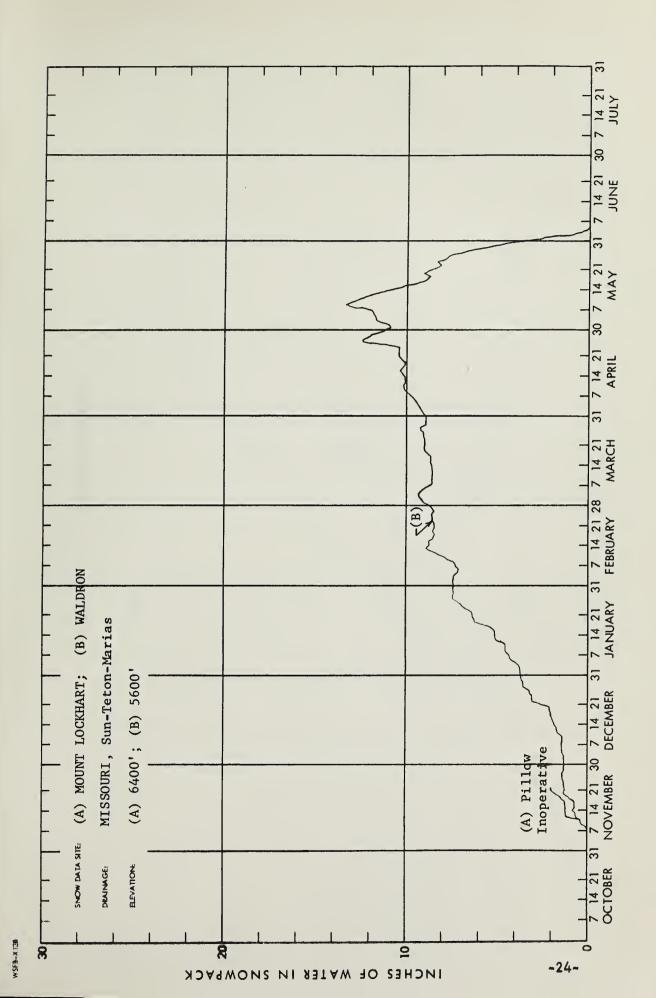




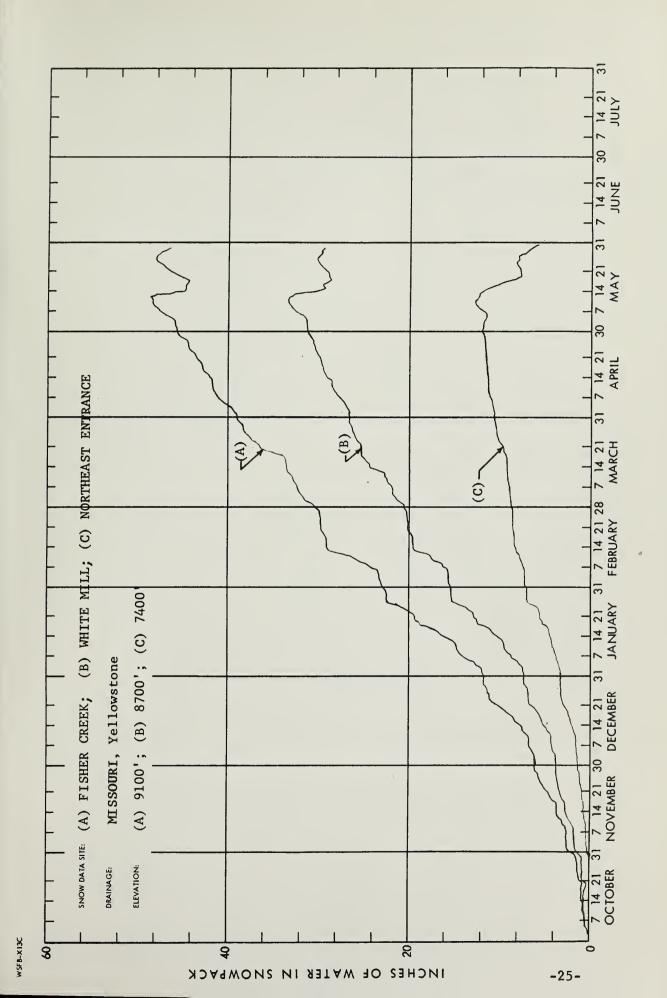




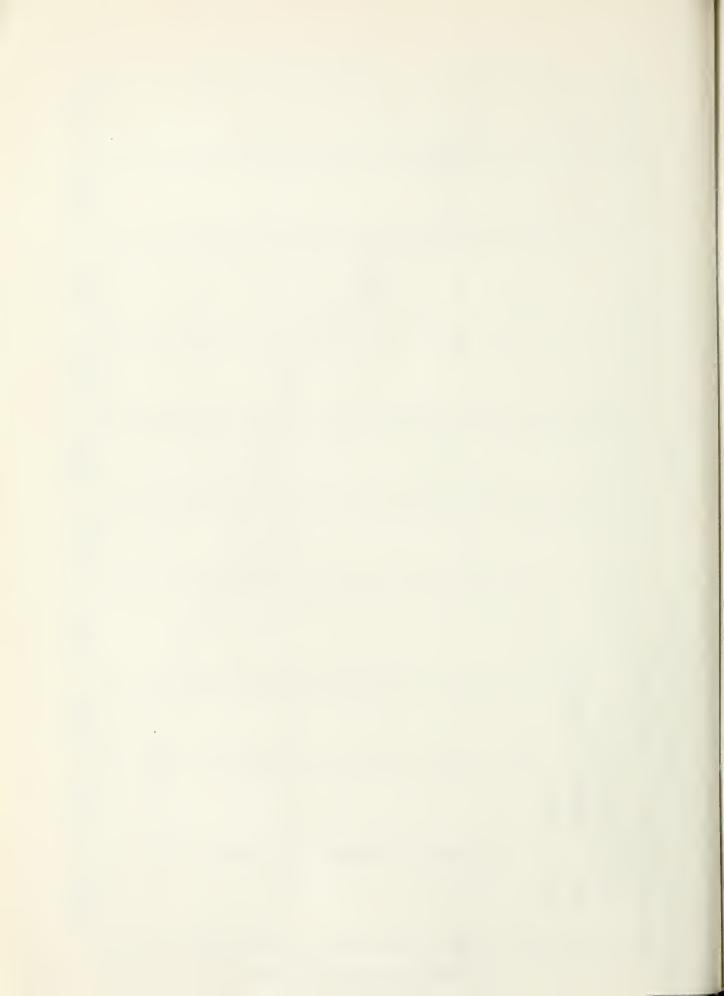


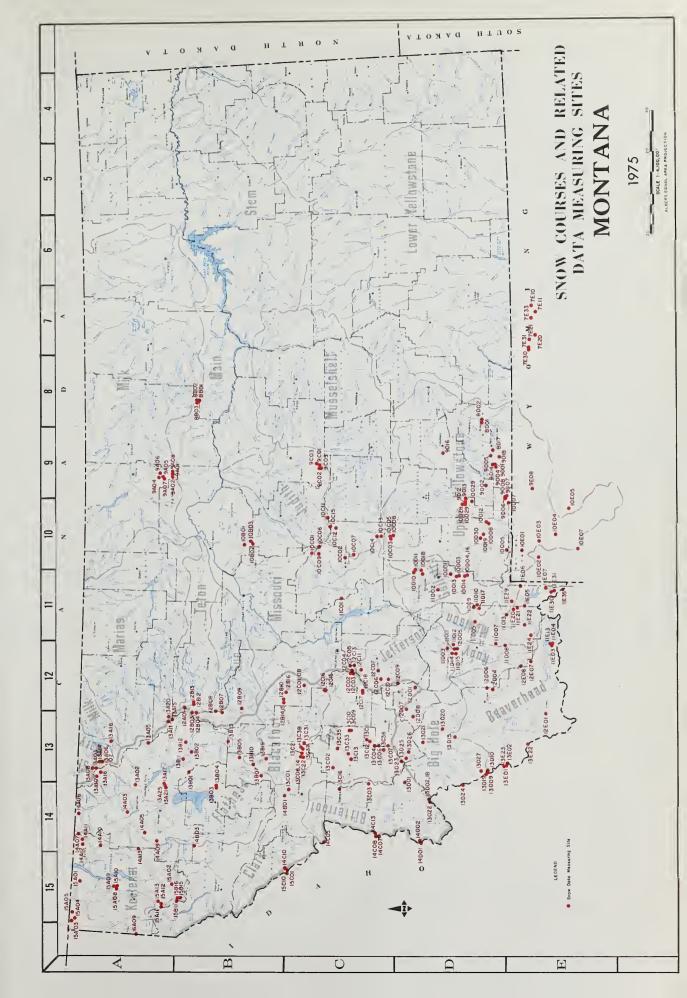












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Agencies and Organizations Cooperating in Montana Snow Surveys

GOVERNMENT AGENCIES

Canada:

Water Survey of Canada, Calgary, Department of the Environment Water Resources Service, Department of Lands, Forests and Water Resources, British Columbia

Federal:

Department of the Army Corps of Engineers

U.S. Department of Agriculture Forest Service Soil Conservation Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of the Interior
Bonneville Power Administration
Bureau of Indian Affairs
Bureau of Reclamation
Fish an Wildlife Service
Geological Survey
National Park Service

STATE

Montana Association of Conservation Districts
Montana Department of Fish and Game
Montana Department of Natural Resources and
Conservation
Montana State University - Agricultural Experiment
Station
North Montana Branch Station - Agricultural Experiment
iment Station
University of Montana - School of Forestry

PRIVATE

Montana Power Company

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